WHAT IS CLAIMED IS:

1. A recycling method for an image display apparatus including a vacuum container structured by sealing a front panel and a rear panel with a supporting frame at a predetermined interval, the front panel having an electrode and a phosphor that serve to display an image, the rear panel having an electron emitter for emitting electrons, the method comprising:

separating the rear panel from the vacuum container;

recovering the electron emitter on the rear panel; and

sealing again the rear panel with the front panel to thereby reconstruct the vacuum container.

2. A recycling method for an image display apparatus according to claim 1, wherein an adhesive material for bonding at least one of the rear panel and the front panel to the supporting frame is a low melting point metal.

3. A recycling method for an image display apparatus according to claim 2, wherein a main component of the adhesive material is indium.

4. A recycling method for an image display

apparatus according to claim 1, wherein the recovering the electron emitter includes placing within a hermetic atmosphere the electron emitter on the rear panel separated from the vacuum container and energizing the electron emitter.

5. A recycling method for an image display apparatus according to claim 1, wherein the recovering the electron emitter includes disposing within an atmosphere where a carbon compound exists, the electron emitter on the rear panel separated from the vacuum container and energizing the electron emitter.

6. A manufacturing method for an image display apparatus including a vacuum container structured by sealing a front panel and a rear panel with a supporting frame at a predetermined interval, the front panel having an electrode and a phosphor that serve to display an image, the rear panel having an electron emitter for emitting electrons, the manufacturing method comprising:

separating the rear panel from the vacuum container of the image display apparatus that is recovered after use;

recovering the electron emitter on the rear panel; and

sealing again the rear panel with the front panel having the electrode and the phosphor that serve to display an image to thereby reconstruct the vacuum container.

7. A manufacturing method for an image display apparatus according to claim 6, wherein an adhesive material for bonding at least one of the rear panel and the front panel to the supporting frame is a low melting point metal.

8. A manufacturing method for an image display apparatus according to claim 6, wherein the recovering the electron emitter includes placing within a hermetic atmosphere the electron emitter on the rear panel separated from the vacuum container and energizing the electron emitter.

9. A manufacturing method for an image display apparatus according to claim 6, wherein the recovering the electron emitter includes disposing within an atmosphere where a carbon compound exists, the electron emitter on the rear panel separated from the vacuum container and energizing the electron emitter.